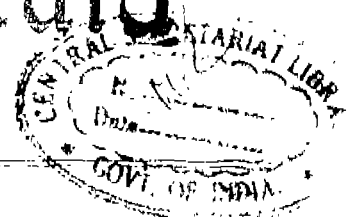


# भारत का राजपत्र

## The Gazette of India

आधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY



सं० 12]

नई दिल्ली, शनिवार, मार्च 23, 1996 (चैत्र 3, 1918)

No. 12]

NEW DELHI, SATURDAY, MARCH 23, 1996 (CHAITRA 3, 1918)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

### भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE  
PATENTS AND DESIGNS

Calcutta, the 23rd March 1996

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The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial Jurisdiction on a zonal basis as shown below :—

Patent Office Branch,  
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Bombay-400 013.

The States of Gujarat, Maharashtra and Madhya Pradesh and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE".

Patent Office Branch,  
Unit No. 491 to 495, III Floor,  
Municipal Market Building,  
Saraswati Marg, Koral Bagh,  
New Delhi-110 005

The States of Harvna, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

Telegraphic address "PATENTS"  
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The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu and the Union Territories of Pondicherry, Laccadive, Minicoy and Amindivi Islands.

Telegraphic address "PATENTOFFICE".

Patent Office (Head Office),  
"NIZAM PALACE", 2nd M.S.O.  
Building, 5th, 6th and 7th Floor,  
234/4, Acharya Jagadish Bose Road,  
Calcutta-700020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fee :—The fees may either be paid in cash or may be sent by Money Order or payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

पेटेंट कार्यालय

एकसूत्र तथा अभिकल्प

कलकत्ता, दिनांक 23 मार्च 1996

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार ज्ञान के आधार पर निम्न रूप में प्रदर्शित हैं।

पेटेंट कार्यालय शाखा, टोंडी इस्टेट  
सीसरा तल, लांअर परेल (पश्चिम),  
बम्बई-400013।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश, राज्य क्षेत्र एवं संघ शासित क्षेत्र गोवा, दमन तथा दीव एवं वादय और नगर हवेली।

सार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,  
एकसूत्र नं. 401 से 405, सीसरा तल,  
महानगरपालिका बाजार भवन,  
भरखती मार्ग, कारोल बाग,  
नई दिल्ली-110005।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र चण्डीगढ़ तथा दिल्ली।

सार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,  
61, बालासाह रंग,  
मद्रास-600002।

प्रान्थ प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य एवं संघ शासित क्षेत्र पाण्डिचेर्री, लक्षद्वीप, मिजोरम तथा एन्डमन द्वीप।

सार पता—“पेटेंटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),  
निजाम प्लैस, द्वितीय बहुतलीय कार्यालय,  
भवन, 5, 6 तथा 7वां तल,  
234/4, आचार्य जगदीश बोस रोड,  
कलकत्ता-700020।

भारत का अन्तर्देश क्षेत्र।

सार पता—“पेटेंटोफिस”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवश्यक पत्र, सूचनाएं, दिशान्तरण या अन्य प्रलेख पेटेंट कार्यालय के क्षेत्रल उपयुक्त कार्यालय में ही प्राप्त किये जायेंगे।

ध्यान दें—आपको करी अवश्यनी या तब तक की जायगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहाँ उपयुक्त कार्यालय अवस्थित है; उस स्थान के अनुमति प्राप्त बैंक से दिशान्तरण को भुगतान योग्य बैंक डाफ्ट अथवा बैंक द्वारा की जा सकती है।

Application for Patent filed at the head office 234/4, Acharya Jagadish Bose Road, Calcutta-20.

The dates shown in the crecent bracket are the dates claimed under section 135, of the Patent Act, 1970.

23-11-1995

1503/Cal/95. Suman Bajerjee and Debjani Ganguly. Semiconductor sensor for spontaneous heating of coal.

1504/Cal/95. Otto India Limited. A fixed Jumper pipe Arrangement for a coke oven Battery.

1505/Cal/95. Powermass. Reduction of heat transfer between a body and its environment, (conventional No. 08/345, 131 on 28-11-94 in U.S.A.)

1506/Cal/95. Euro-Celtique S. A., Process for the preparation of isoguanine derivatives having pde-iv inhibition activity. (Divided out of No. 514/Cal/94 antdated to 30-06-94)

1507/Cal/95. Euro-Celtique S.A., Process for the preparation of 2,6-Dithioxanthine Derivatives having PDE-IV Inhibition Activity. (Divided out of Appln No. 514/Cal/94 antdated to 30-06-94)

1508/Cal/95. Euro-Celtique S.A., Process for the preparation of isoguanine derivatives having PDE-IV inhibition activity. (Divided out of App'n No. 514/Cal/94 ant-dated to 30-06-94).

1509/Cal/95. Motive Holdings Limited. Variable valve lift mechanism for internal combustion engine. (Conventional No. 08/344, 826 on 23-11-94 in U.S.A.)

1510/Cal/95. Atlas Copco Wagner Inc., Computerised Monitoring Management system for load-carrying vehicle. (Conventional No. 08/344, 818 on 23-11-94 in U.S.A.)

23/11/95

1511/Cal/95. John Hockley Donaldson. Improvements in data derivation from movable surfaces. (Conventional No. PM 9634 on 24/11/94 in Australia)

1512/Cal/95. Johnson Electric S.A., A rotor for an electric motor. (Conventional No. 9423689.0 on 24-11-94 in Great Britain)

1513/Cal/95. LG Electronics Inc., Microwave oven. (Conventional No. 11270/1995 on 9-5-95 in Korea)

24/11/95

1514/Cal/95. Daewoo Electronic Co., Ltd., Method and apparatus for detecting optimum motion vectors based on a hierarchical motion estimation approach. (Conventional No. 95-30217 on 15/09/95 in Republic of Korea)

1515/Cal/95. Chinmoy Taraphdar. Water Power Motor,

1516/Cal/95. Matsushita Electric Industrial Co. Ltd., Memory for selecting channel with frequency synthesizer and system of selecting channel with frequency synthesizer using it. (Conventional No. 6-326697 on 28-12-94 in Japan)

1517/Cal/95. Robertwilliam Cairns. Mobile concrete mixing and delivery system. (Conventional No. PM9631 on 24/11/94 in Australia)

Application for the Patent filed at Patent Office Branch, Municipal Market Building, 11th floor, Karol Bagh, New Delhi.

28/8/95

1594/Del/95. Director. An Indian National of Forest Research Institute, U.P. "A process for the preparation of dye form *Grewia optiva* seeds."

1595/Del/95. Rohm and Hass Company, U.S.A. "Impact-Modified Poly (Vinyl Chloride)".

1596/Del/95. BTR PLC., England. "Tapered Plug Valve" (Convention date 7th September, 1994 and 13th July, 1995) 3—U.K.

1597/Del/95. Schlage Lock Company, U.S.A. "Thumb Actuated Latch Retraction Mechanism for Grip Handle Locks including integral installation Gripping Aid".

1598/Del/95. L'Air Liquide, Societe Anonyme Pour l'etude Et L'Exploitation Des Procedes Georges Claude, France. "Process and installation for the Production of Oxygen by Cryogenic Distillation".

1599/Del/95. Bell Communication Research, Inc., U.S.A. "Rechargeable Battery Structure and Method of making Same" 55 (Convention date 29th August, August 1994)—U.S.A.

29-8-95

1600/Del/95. Long-Airdox Company, U.S.A. "Pivoted Lifting Device" (Convention date 20th September, 1994.)—U.S.A.

1601/Del/95. India Machine Tools, Allahabad. "Joint Closure for Fibre Optic Cable".

1602/Del/95. Motorola, Inc., U.S.A. "Satellite-Based Ring Alert Apparatus and Method of use" (Convention date 3rd October, 1994.)—U.S.A.

1603/Del/95. Kenetech Windpower, Inc., U.S.A. "Transient Suppressor for Electronics Systems" (Convention date 21st October, 1994.)—U.S.A.

1604/Del/95. SRP Industries Ltd., Canada. "Filler Reinforced Thermoplastic Composites having Biaxially Oriented Components".

1605/Del/95. Moltech Invent S.A., Luxembourg. "Aluminium-Immersed Assembly for Aluminium Production Cells".

1606/Del/95. Moltech Invent S.A., Luxembourg. "Aluminium Electrowinning Cell with Improved Carbon Cathode Blocks".

1607/Del/95. Moltech Invent S.A., Luxembourg. "Stable Anodes for Aluminium Production Cells".

1608/Del/95. Procter & Gamble Company, U.S.A. "Method of making absorbent structure comprising a plurality of polymeric particles having different degrees of crosslinking and an absorbent structure having regions comprising polymeric particles of mutually different degrees of crosslinking" (Convention date 09-09-1994.)—U.K.

1609/Del/95. The Procter & Gamble Company, U.S.A. "Absorbent composite structure comprising a plurality of Hydrogelforming Polymer Particles bonded to a substrate by a cross linking agent capable of forming inter-particle cross-link bonds

and method of making the same". (Convention date 09-09-1994)—U.K.

1610/Del/95. The Procter & Gamble Company, U.S.A. "Toothbrush Exhibiting a general three-dimensional bristle profile and having raised profiled outer tufts." (Convention date 09-09-94 and 12-09-94.)—U.S.A.

30-08-95

1611/Del/95. Rohm GMBH, Germany. "Thermoplastic Material for use in coating pharmaceutical compositions." (Convention date 31st August, 1994.)—Germany.

1612/Del/95. Rohm GMBH, Germany. "Coating and binding agents for Pharmaceutical Compositions." (Convention date 31st August, 1994.)—Germany.

1613/Del/95. Motorola, Inc., U.S.A. "Method and Apparatus for regional cell management in a satellite communication system."

1614/Del/95. Rhone-Poulenc Chimie, France. "Process for Treatment of a liquid medium for insolubilization of Metallic Impurities Contained Therein." (Convention date 2nd September, 1994)—France.

1615/Del/95. Norfrost Limited, U.K. "Improvements in or relating to Refrigeration Apparatus." (Convention date 1st September, 1994)—U.K.

1616/Del/95. Harris Ge Railway Electronics Co. "U.S.A.". Scheduling System and Method."

31-08-95

1617/Del/95. HUB Technologies, Inc., U.S.A. "Connection Method and Structures for reducing signal transistimes in data processing devices." (Convention date 20th September, 1994) —U.S.A.

1618/Del/95. General Electric Company, U.S.A. "Multiple Port High Brightness Centralized Lighting System." (Convention date 14th September, 1994)—U.S.A.

1619/Del/95. Saeed Solomon Shalom, Israel. "Improvements in and relating to Bicycle drive assemblies."

1620/Del/95. Kennametal Inc., U.S.A. "Multi-Handed Milling Cutter having indexable wedges and inserts."

1621/Del/95. Energy Research Corporation, U.S.A. "Carbonate Fuel Cell Matrix."

1622/Del/95. David C. Yang, U.S.A. "Device and Process for Gravitational Separation of Solid Particles."

1623/Del/95. Morton International, Inc., U.S.A. "Stamped Metal Toroidal Hybrid Gas Generator with Sliding Piston."

1624/Del/95. The Secretary of State for Defence in Her Britannic Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, U.K. "Luciferase Labelling Method" (Convention date 1st September, 1994)—U.K.

1625/Del/95. Envirotech Investments Limited, Ireland. "Improvements in or relating to Ambient Heat Collection Panels." (Convention date 1st September, 1994)—U.K.

1626/95/Del/95. Smithkline Beecham P.L.C., England "Pharmaceutical Formulations." (Convention date 3rd Sep. 1994, 24th Feb., 1995 and 2nd June, 1995)—U.K.

9-95

1627/Del/95. The Department of Science & Technology, Govt. of Rajasthan, Jaipur. "Deep Well PVC Hand Pump."

1628/Del/95. Mohan Lal Gulrajani, and Subrata Das, New Delhi, "A Cooking Process for Silk Cocoon".

1629/Del/95. Mohan Lal Gulrajani and Shashi B. Gupta, New Delhi, "A Process for Cleaning of Spun Silk Fabric".

1630/Del/95. University of Miami, U.S.A., "Injection Polyethylene Oxide Gel Implant and method for Production" (Convention date 1st September, 1994)—U.S.A.

1631/Del/95. Fred E Dexter, JR. U.S.A., "Toothpaste Tube Holder".

1632/Del/95. Reckitt & Colman Products Limited and Imperial Chemical Industries PLC., U.K., "Electrostatic Spraying Device" (Convention date 7th September, 1994)—U.K.

1633/Del/95. Intermune Life Sciences Inc., Canada, "A Test Relating Hyaluronidase Activity and Fertilizing Ability of Sperm" (Convention date 2nd September, 1994, 27th June, 1995)—U.S.A. and (27th July, 1995)—Canada.

1634/Del/95. Mclean Ventures Corporation, Canada, "Process for heating an Asphalt Surface and Apparatus Therefor" (Convention date 2nd September, 1994)—Canada.

1635/Del/95. Maytag Corporation, U.S.A., "Improved Access Laundry Appliance".

1636/Del/95. Exxon Chemical Patents, Inc., U.S.A., "Fuel Additives Compositions and Polymers for use Therein" (Convention date 2nd September, 1994)—U.K.

1637/Del/95. Morton International, Inc., U.S.A., "Fastener-side Airbag Model Dated end Caps".

1638/Del/95. Morton International, Inc., U.S.A., "Liquid Fuel-Containing Initiator Device for an Air Bag Inflator".

1639/Del/95. Chemie Linz GMBH, Austria, "Flame Resistant, glass fiber reinforced polyamide resin composition with melamine or melam-phosphoric acid reaction products as flame retardants".

1640/Del/95. Morton International, Inc., U.S.A., "Actuation of a fluid fuelled inflator".

1641/Del/95. Wheelabrator Clean Air Systems, Inc., U.S.A., "Improved sulfur separation system" (Convention date 15th August, 1995)—U.S.A.

5-9-95

1642/Del/95. Medtronic Carbon Implants, Inc., U.S.A., "Improved pyrocarbon coatings (Convention date 08-09-1994)—U.S.A.

1643/Del/95. UOP, U.S.A., "Nitrogen-Selective Zeolite Adsorbent for use in air separation process".

1644/Del/95. Zeta Emissions Technology Inc., U.S.A., "Zero Emission High Voltage Inductor" (Convention date 05-05-1995)—U.S.A.

1645/Del/95. John Mezallinger Assoc. Inc., U.S.A., "Compression type Coaxial Cable and Connector" (Convention date 17th September, 1994)—U.S.A.

1646/Del/95. Kobunshi Kagaku Kenkyukai, Japan, "Production method for nobilechted Protein from protein-based food ingredient, protein-based food ingredient obtained from this method and protein-based food using the ingredient" (Convention date 06th October, 1994)—Japan.

6-9-95

1647/Del/95. Sandipack Private Limited, New Delhi "A Pouch".

1648/Del/95. Sandipack Private Limited, New Delhi "A Spouted Pouch".

1649/Del/95. Sandipack Private Limited, New Delhi "A Spouted Pouch".

1650/Del/95. BP Chemicals Limited, England "Process for Making a Polyolefin".

1651/Del/95. Colgate-Palmolive Company, U.S.A., "A Device and apparatus suit usable as a closing cap on a vessel containing liquid to be dispensed".

7-9-95

1652/Del/95. John S. Nagle and Lee G. Dante, U.S.A., "Method for treating emotion or illness and emotion or mental illness concomitant with Seizure".

1653/Del/95. DFI, BGG, Wolfgang Priesenmuth, Germany "A Switch" (Convention date 26th April, 1995)—Germany.

1654/Del/95. Central Council for Research in Ayurveda and Siddha, New Delhi "A Process for producing a medicated Thread for the treatment of and Rectal Diseases".

1655/Del/95. The Standard Oil Company, U.S.A., "Oxygen Permeable mixed conductor membranes".

1656/Del/95. Sulzer Chemtech AG, Switzerland "Liquid Distributor for Columns".

1657/Del/95. BP Chemicals Limited, England "Plasticizer Composition" (Convention date 12th September, 1994)—U.K.

1658/Del/95. Janus Perry A/S, Denmark, "Lightening Master for a Windmill Blade" (Convention date 07-09-1994)—Denmark.

8-9-95

1659/Del/95. S. A. Royal Champion, France, "Support for the culture of Mushrooms, promoting mycelial growth and the development of the carpophores and process for producing it".

1660/Del/95. Steel Authority of India Ltd., New Delhi "A process for producing a low alkali LF-MN Slag from a relatively high-alkali LF-MN Waste Slag by means of Bacteria".

#### ALTERATION OF DATES

17223 Filed on 11-9-89

(311/Del/90) Ante-dated to 17-12-86.

176285 Filed on 24-9-89

(849/Del/90) Ante-dated to 21-01-87.

176267 Filed on 25-9-89

(860/Del/89) Ante-dated to 23-02-87.

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing or objecting to any of the Applications concerned, may do so within four months of the date of this issue or within such further period not exceeding one month, applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, giving notice to the Controller of Patents, at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule-36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta or the appropriate Branch Office on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by two to get the charges as the copying charges per page is Rs. 2/-.

### स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रवचन 14 पर आर्क्षित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियन्त्रक, एकत्र को उपर्युक्त कार्यालय में ऐसे विरोध की सूचना विहित प्रवचन 15 पर दे सकते हैं। निम्न सम्बन्धी लिखित वक्तव्य, उक्त सूचना के साथ शपथ पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किम आने चाहिए।

"प्रत्येक विनिर्देश के अन्तर्गत होने वाले विरोध, भारतीय वकीलकरण तथा अन्तर्राष्ट्रीय वकीलकरण के अन्तर्गत है।"

सम्बन्ध (पेटेंट आवेदों) की पेटेंट प्रतियाँ यदि कोई हो, के साथ विनिर्देशों की टाइटल तथा फाटो प्रतियों को आवेदन पेटेंट कार्यालय, कलकत्ता अथवा उपर्युक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरान्त उराकरी अदायगी पर की जा सकती है। विनिर्देश की पूरा संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित निम्न आदेश कार्यालयों को जोड़कर उसे 2 से गुणा करके; (वर्षांक प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) पेटेंट लिप्यान्तरण प्रभार का भुगतान किया जा सकता है।

Cl. 194 C

176215

Int. Cl. : H 01 F 29/07, 29/31.

AN APPARATUS FOR ASSEMBLING A SHADOW MASK AND A FRAME FOR A CATHODE RAY TUBE.

Applicant : SAMSUNG ELECTRON DEVICES CO. LTD., OF 575 SHIN-RI, TAEAN-EUB, HWASEONG-GUN, KYUNGGI-DO, REPUBLIC OF KOREA.

Inventor : JONG SU KANG.

Application No. 90/Cal/1991 filed on 29th January 1991.

Appropriate office for opposition proceeding (Rule 4, Patent Rule, 1972), Patent Office, Calcutta.

### 4 Claims

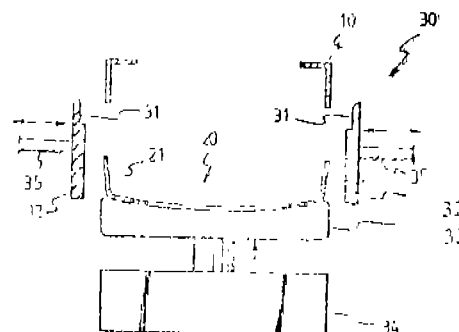
An apparatus for assembling a shadow mask and a frame for a cathode ray tube, said apparatus comprising :

a bed (33) for loading said shadow mask (20) thereon and being movable up and down by a lifting device (34) connected to said bed; and

a plurality of pushing plates (32) installed outside a skirt (21) of said shadow mask, for compressing said skirt inwardly;

each of said pushing plates being provided with a frame supporter (31) for supporting said frame (10) above said shadow mask loaded on said bed, and

said skirt of the shadow mask being inserted inside said frame, supported by said frame supporter when said shadow mask loaded on said bed is moved up by said lifting device.



Compln. Specn. 8 pages

Diagn 2 sheets.

Cl. 143 D

176231

Int. Cl. : B 65 D 65/04.

PACKAGE FOR USE IN MICROWAVE HEATING OF FOOD, AND METHOD OF FORMING THE SAME.

Applicant : GOLDEN VALLEY MICROWAVE FOODS, INC., OF 7450 METRO BOULEVARD, EDINA, MINNESOTA 55435, UNITED STATES OF AMERICA.

Inventors : (1) JAMES DAVID WATKINS, (2) LAWRENCE CHARLES BRANDBERG, (3) CHARLES HENRY TURPIN, (4) DENISE ELLEN HANSON.

Application No. 623, Cal/1990; filed on 24th July, 1990.

Appropriate office for opposition proceeding (Rule 4, Patent Rule, 1972), Patent Office, Calcutta.

### 32 Claims

A package for use in microwave heating of food, such as herein described, said package comprising :

(a) a container arrangement defining first and second internal compartments; said container being made of microwave transparent material, such as herein described, so as to allow microwave heating of food appropriately positioned therein;

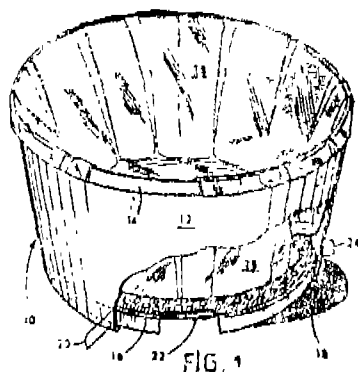
(i) said container arrangement including an upstanding side wall having upper and lower free edges, said upper free edge defining an upper mouth to said container arrangement;

(ii) said first internal compartment having a bottom wall;

(b) moisture barrier means, such as herein described, defining said first internal compartment in a manner inhibiting moisture transfer into and out of said first compartment during storage; said first internal compartment being constructed and arranged for storage of food material therein, prior to heating; and

(c) a heat releasable seal between said first internal compartment and said second internal compartment; said heat releasable seal being constructed and arranged to selectively open when food retained within said first compartment is heated upon exposure to microwave energy, to allow moisture to escape from said first internal compartment to said second internal compartment;

optionally, there being venting means providing escape of hot air and steam from said second internal compartment, upon exposure of said package to microwave energy.



Compl. Specn. 24 pages.

Drgns. 3 sheets.

Cl.: 83 B 5

176232

Int. Cl.: A 61 L, 2/00

A STERILIZER.

Applicant: MDT CORPORATION, OF 1777 EAST HENRIETTA ROAD, ROCHESTER, NEW YORK 14623 UNITED STATES OF AMERICA.

Inventors: (1) DONALD W. ALBRIGHT, (2) RAYMOND J. MILLER.

Application No. 670/Ca/1990: filed on 6th August, 1990.

Appropriate office for opposition proceeding (Rule 4, Patent Rule, 1972), Patent Office, Calcutta.

#### 10 Claims

A sterilizer, comprising:

a pressure vessel with an associated door and adapted to receive a sterilizable load and to contain said load within the interior of said vessel with said door closed, said door being adapted thereby to seal said interior;

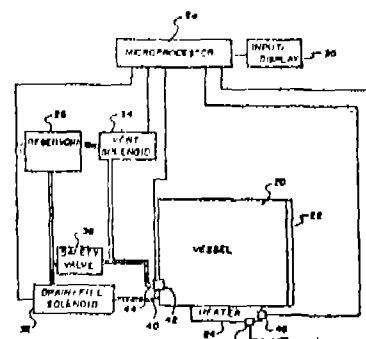
a reservoir associated with said pressure vessel and adapted to contain liquid, with a fluid line linking said reservoir with the interior of said pressure vessel;

valve means associated with said fluid line for controlling the flow of fluid between said reservoir and the interior of said pressure vessel;

a heater associated with said pressure vessel and capable of operation selectively in a high-power mode and in a low-power mode, said heater having sufficient capacity to convert liquid within said interior to vapor when said heater is operated in said high-power mode; and

control means operably associated with said heater and adapted to operate said heater in said high-power mode during an exposure phase of operation and to

thereafter operate said heater in said low-power mode during a drying phase of operation.



Compl. Specn. 14 pages;

Drgns. 2 sheets.

Cl.: 131 B, C; 71 B,

176233

Int.: Cl.: E 21 C 27/08, 27/42.

"OPEN-CAST MINING CONVEYING DEVICE".

Applicant: (1) SIEMENS AKTIENGESELLSCHAFT, OF WITTELSBACHERPLATZ 2, D-8000, MUNICH 2, WEST GERMANY.

(2) RHEINBRAUN AKTIENGESELLSCHAFT, OF 5000 KOELN, WEST GERMANY.

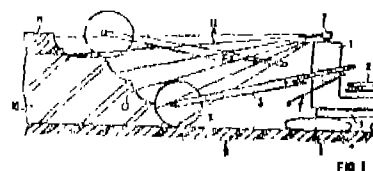
Inventors: (1) HANS-JOERG NUESLIN  
(2) FRANZ-JOSEF HARTLIEF  
(3) EDMUND HEIMES  
(4) FRANZ-ARNO FASSBAENDER  
(5) DIETER HENNING  
(6) RALF ECKOLDT.

Application No. 669/Ca/1990; filed on 6th August, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

#### 7 Claims

Open-cast mining conveying device, such as bucket-wheel excavator or gravel-bed pick-up, having a bucket-wheel, a control device for controlling the movements of the bucket-wheel according to the previously determined morphology of a deposit or the stratification of deposited material, said control device comprising a laser scanner for sensing continuously the course of the material to be conveyed by a pulsed light beam, a computer for calculating the deposit course and the course of the strata and for generating control variables for controlling the movements of the conveying device from the reflected light beam



Compl. Specn. 10 pages;

Drgn. 1 sheet.

Cl : 206 E, 186 E.

176234

Int. Cl.<sup>1</sup> : H 04 N 9/77.

"SYSTEM FOR PREVIOUSLY ENCRYPTED INFORMATION SIGNALS."

Applicant : MACROVISION CORPORATION OF 700  
EAST EL CAMINO REAL, SUITE 200, MOUNTAIN  
VIEW, CA 94940, UNITED STATES OF AMERICA.

Inventor : JOHN OLIVER RYAN.

Application No. 766/Cal/1990; filed on 05th September, 1990.

(Complete specification left on 11th October, 1991).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

## 6 Claims

A system for decrypting previously encrypted information signals to permit the use thereof, said encrypted information signals comprising encrypted versions of original information signals arranged as a succession of lines of active information, each having a line timing reference, said encrypted signals having been produced by time shifting at least some of the lines of the original information signals with respect to the line timing reference in a predetermined manner with the amount of time shifting in each line in the succession being different than that of the previous line, said system comprising :

an indicator subsystem such as herein described, (112, 11, 80, 88) for providing an indication of the amount of time shifting performed on a given line; and

a restoration subsystem, such as herein described (114, 89, 74, 68, 70, 78, 116) for restoring the original time relationship between the line timing reference and the line of information by using the indication of the amount of time shifting as provided by the indicator subsystem, wherein said restoration subsystem is adapted to generate a deliberately temporally misaligned line timing reference for each line and to combine said deliberately temporally misaligned line timing reference with the line of information.

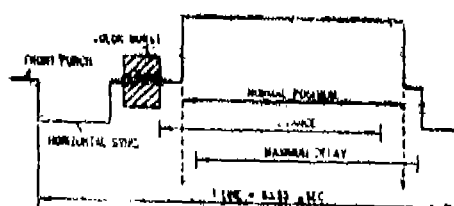


FIG. 1



FIG. 24



FIG. 24

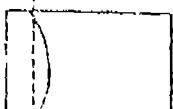
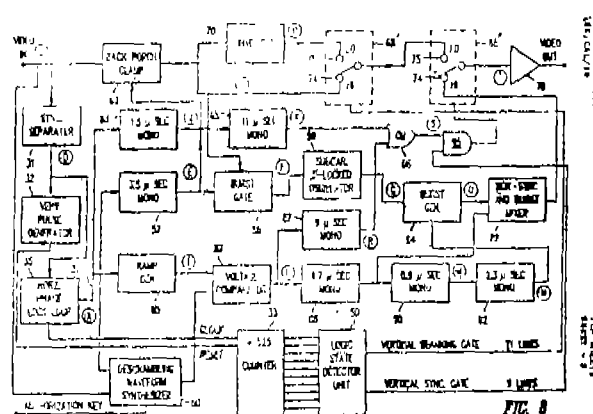


FIG. 25



**FIVE**

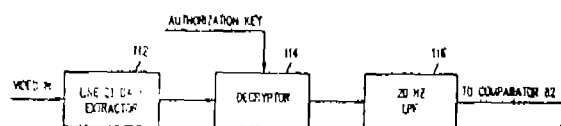


FIG. 10

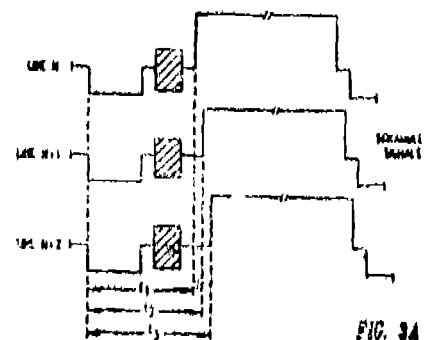
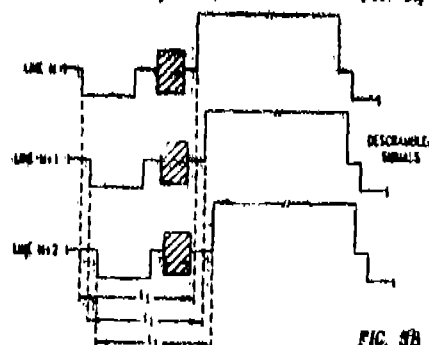


FIG. 34



**FIC. 5B**

Compl. Specn. 25 pages;

Drgns. 10 sheets.

Cl. : 34 A, D.

176235

Int. Cl.<sup>4</sup> : D 01 F 6,00, 6/70.

## "HIGH TENACITY, HIGH MODULUS POLYAMIDE YARN AND PROCESS FOR MAKING SAME".

Applicant : E. I. DU PONT DE NEMOURS AND COMPANY OF WILMINGTON, DELAWARE. UNITED STATES OF AMERICA.

Inventors : (1) THOMAS RUSSELL CLARK III and  
(2) JOSEPH ARNOLD COFER JR.

Application No. 893/Cal/1990; filed on 29th October, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

## 21 Claims

A polyamide yarn comprised of a polyamide having a formic acid relative viscosity of greater than about 50, said polyamide comprising at least 85% by weight of a polyamide selected from the class consisting either of poly (hexamethylene adipamide) or poly (ε-caproamide), said yarn having a tenacity of greater than 11.0 g/d, a dry heat shrinkage at 160°C of not more than 6.5%, a loil-off shrinkage of less than 7%, a modulus of at least 35g/4, a birefringence of greater than 0.060, a differential birefringence,  $D : 90-100^\circ$  of greater than 0, and a sonic modulus of greater than 90 g/d, said polyamide yarn having a long period spacing of greater than 100Å, crystal perfection index of greater than 73, an apparent crystallite size of greater than 53 Å; a normalized elastic range of greater than 0.55, normalized yield stress of greater than 0.78 and a density of at least 1.143 g/cc.

Compl. Specn. 37 pages;

Drgn. 1 sheet.

Cl. : 34 A

176236

Int. Cl. : D 01 F 6/04.

"A PROCESS FOR PREPARING FIBRES OF SULFONATED POLY (P-PHENYLENE TEREPHTHALAMIDE)".

Applicant : E. I. DU PONT DE NEMOURS AND COMPANY, OF WILMINGTON, DELAWARE, UNITED STATES OF AMERICA.

Inventor : MINSHION J. CHIOU.

Application No. 937/Cd/90 filed on 8th November, 1990

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

## 1 Claims

A process for making a fiber from sulfonated-PPD-T comprising the steps of :

(a) agitating substantially unsulfonated PPD-T having an inherent viscosity greater than 6 in sulfuric acid having a concentration of 100.5 to 102.5% in an amount such that there is 17 to 20 weight percent of PPD-T in the sulfuric acid, for a duration of 1 to 3 hours at a temperature of 70 to 80°C to dissolve and sulfonate the PPD-T;

(b) extruding in a conventional manner the resulting solution from an orifice through a layer of inert non-coagulating fluid such as herein described into a coagulating bath such as herein described to coagulate the resulting fiber;

(c) drying the fiber to yield a dry as-spun fiber of PPD-T having an inherent viscosity greater than 4.5 and a sulfonation of 0.5 to 3.0% sulfur, as bound sulfonic acid or sulfonate groups.

Compl. Specn. 16 pages;

Drgn. 1 sheet.

Cl. : 32A,

176237

Int. Cl. : C 09 B 62/00

"FIBER REACTIVE RED DYE COMPOSITION".

Applicant : SUMITOMO CHEMICAL COMPANY, LTD., OF 5-33, KITAHAMA-4-CHOME, CHUO-KU, OSAKA, JAPAN.

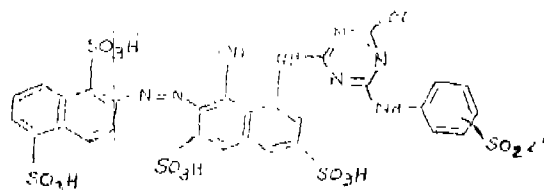
Inventors : (1) TETSUYA MIYAMOTO;  
(2) YUTAKA KAYANE;  
(3) SAIDANORU KIKKAWA;  
(4) KINYO AKAHORI.

Application No. 993/Cd/90 filed on 23rd November, 1990.

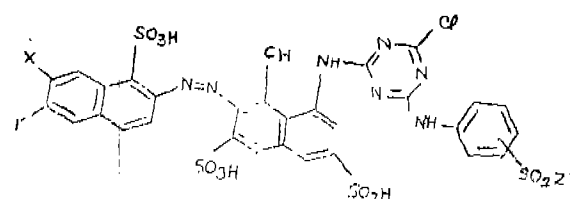
Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

## 7 Claims

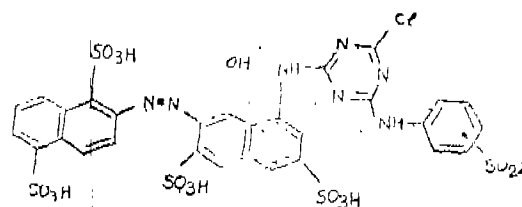
A fiber-reactive red dye composition comprising a monoazo compound of the following formula (I) in a free acid form,



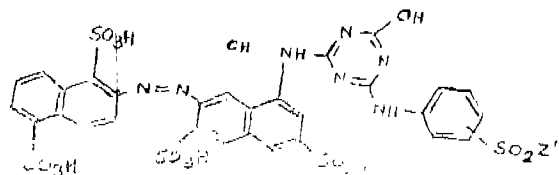
wherein Z is -CH=CH- or -CH<sub>2</sub>CH<sub>2</sub>- in which Z<sub>1</sub> is halogen, acetic acid ester group, phosphoric acid ester group, thio-sulfonic acid ester and sulfuric acid ester group and at least one member selected from the group consisting of monoazo compounds of the following formulas (II) (III) and (IV) in each free acid form, the formula (II) being



wherein any one of X and Y is sulfonic and the other is hydrogen, and Z' is -CH=CH- or -CH<sub>2</sub>CH<sub>2</sub>- in which Z<sub>2</sub> is a group capable of being split by the action of an alkali, the formula (III) being



wherein Z' is -CH=CH<sub>2</sub> provided that the SO<sub>2</sub>Z' is located at o-, m- or p- position against the imino when the -SO<sub>2</sub>Z' in the above formula (I) is located at o-, m- or p- position against the imino, respectively, and the monoazo compound of the above formula (I) is one having -CH<sub>2</sub>CH<sub>2</sub>Z<sub>1</sub> as Z, and the formula (IV) being



wherein Z' is -CH=CH<sub>2</sub> or -CH<sub>2</sub>CH<sub>2</sub>Z<sub>3</sub> in which Z<sub>3</sub> is a group capable of being split by the action of an alkali wherein the amount of one, two or three members of the monoazo compounds of the formulas (II), (III) and (IV) is 1 to 60% by weight based on the weight of the monoazo compound of the formula (I).

(Compl. specn. 25 pages,

Drgns. Nil



Cl. : 40 B

176238

Int. Cl. : C 08 T 4/64

**"PROCESS FOR PREPARING A CATALYST USEFUL FOR OLEFIN POLYMERIZATION."**

Applicant : PHILLIPS PETROLEUM COMPANY, OF BARTLESVILLE, STATE OF OKLAHOMA, UNITED STATES OF AMERICA.

Inventors : KENT EDWARD MITCHELL; ELIZABETH ANN BENHAM; MAX PAUL McDANIEL; MELVIN BRUCE WELCH; GROVER WINDLE CONE.

Application No. : 627/Cal 91 filed on 22nd August, 1991.

Appropriate office for opposition proceedings (Rule 4, Patent rule 1972) Patent Office, Calcutta.

claims 19

A process for preparing a catalyst useful for olefin polymerization which comprises contacting a titanium alkoxide and a magnesium dihalide to form a solution; then reacting that solution with a precipitating agent of the type such as ketene described to form a solid, contacting said solid with titanium tetrachloride before or after an optional prepolymerization step, and then contacting the resulting solid with an organometallic reducing agent which is a hydrocarbyl aluminum compound, a hydrocarbyl boron compound, a hydrocarbyl alkali or alkaline earth metal compound, or a hydrocarbyl zinc compound, wherein the molar ratio of the reducing agent to the titanium in the catalyst is in the range of 0.01 : 1 to 10 : 1, and washing the then resulting solid with a hydrocarbon to remove hydrocarbon soluble material.

Compl. Specn. : 32 pages

Drgns : 00 Sheet.

Cl. : 116 G 108 C-3

176239

Int. Cl. : B 65 D 47/00

**"BULK SOLIDS' FEED VALVE"**

Applicant : SOCIETE FINANCIERS DE GESTION, OF 139 RUE DU LUXEMBOURG 59100 ROUBAIX, FRANCE.

Inventors : SIMOENS HARVE, HUBERT JEAN.

Application No. : 720/Cal/1991 filed on 23rd September, 1991.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

claims 4

A bulk solids feed valve (1) for alternately feeding an accumulator (2) the valve being integral with or outside the accumulator; and abruptly discharging the accumulator (2) into an installation (3) such as a silo or a storage hopper, said valve being connected to a pressurized gas source (4) by means of a pipe (7) through a distributor (20) having several channels, to said installation (3) by means of a pipe (6) and optionally when the valve is outside the accumulator, to the said accumulator (2) by means of a pipe (5) said valve comprising a body (8) housing : a variable volume feed chamber (9), said pipe (7) connected to said source (4) and a passage (10) between said feed chamber (9) and said accumulator (2) opening into said feed chamber (9);

a variable volume discharge chamber (11) for discharging from the accumulator (2) towards said installation (3), the accumulator (2) and the pipe (6) connecting the valve, to the installation (3) opening into said discharge chamber, said accumulator, said pipe and said discharge chamber, said discharge chamber forming a discharge path; said feed chamber (9) being formed in the space between the rear face (14) of a piston housed in a cylinder (12) in said body and the bottom of said cylinder, said piston being translation-free; said discharge chamber being formed on the front face of said piston (13) being kept in position by thrust exerted in the circulation of the gas in said discharge path

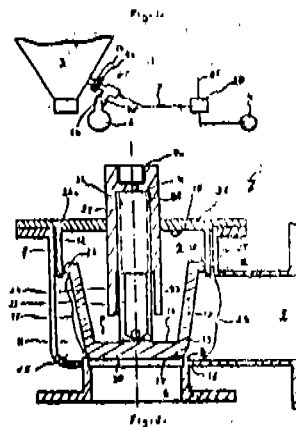
2-517GI/95

formed by said feed chamber (11), pipe 6 to the installation and optionally pipe (5) to the accumulator, said pipe (6) to the installation opening into the discharge chamber (11), via a seat (16) cooperating with a sealing member (17) carried by or integral with the piston, said sealing member being kept in sealing position by the action of pressure on the rear face of the piston;

said piston (13) having a seal (22) interacting with said cylinder over a length less than its diameter; a guide block (23) integral with the rear face (14) of the piston and cooperating with a slide (24) integral with the bottom (15) of the cylinder 12, said guide block engaging the slide over a length equal at least to the transversal section of said guide block when said sealing member (17) is pressed on said valve seat (16); characterised in that :

said piston has a limited backward movement and is provided with a truncated basin-like shape with the concave surface thereof facing said bottom (15) of the cylinder housing said guide block (23) and said slide, the convex surface of said piston being provided with said sealing member (17); and

for limiting charge losses, an annular pipe (25) is housed inside said body and opens out around said valve seat (16) said annular pipe being delimited by said piston and said valve body, and being located fully on the said of the seat facing said piston.



Compl. Specn. 17 pages

Drgn. 1 Sheet

Cl. : 128 A

176240

Int. Cl. : A 61 L 2/08, 9/18, 15/01, 15/03.

**"A PROCESS FOR THE PREPARATION OF A WATER SWELLABLE WOUND DRESSING"**

Applicant : JOHNSON &amp; JOHNSON MEDICAL, INC., OF 2500 ARBROOK BOULEVARD ARLINGTON, TEXAS 76014, UNITED STATES OF AMERICA.

Inventor : CRAIG J. HARDY.

Application No. 117/Cal/94 filed on 25th February, 1994.

Convention dated on 3rd March, 1993 (United Kingdom).

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

20 Claims

A process for the preparation of a water swellable wound dressing comprising in the step of mixing from 5% to 50% of an alginate ester of  $C_1-C_6$  polyhydric alcohol; from 50% to 95% of a humectant consisting of one or more  $C_1-C_n$  monohydric or polyhydric alcohols with 0% to 30% of water to form a gel, forming the resulting gel into the desired shape by any known means and evaporating the water; provided that the wound dressing comprises less than 1.5% by weight of polyvinyl alcohol.

Compl. Specn. 13 pages;

Drgn. 0 sheet.

Ind. Cl. : 31C, 155D.

176241

Int. Cl.<sup>4</sup> : C23C 24/08, C30B 7/10, 29/50, 35/00.**METHOD FOR THE PRODUCTION OF IMPROVED LARGE CRYSTAL POLYCRYSTALLINE FILM ON A RIGID SUBSTRATE.**

Applicant : PHOTON ENERGY INC., OF 13 FOUNDERS BOULEVARD, EL PASO, TEXAS 79906, UNITED STATES OF AMERICA.

Inventor : (1) SCOT PAUL ALBRIGHT  
(2) DEVID KENNETH BROWN  
(3) JOHN FRANCIS JORDON.

Application for Patent No. 880/DEL/87 filed on 7th Oct., 1987.

Appropriate Office for filing Opposition Proceedings: (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110005.

**Claims 15**

A method for the production of improved large crystal polycrystalline film on a rigid substrate which comprises :—

applying to said substrate at substantially ambient temperature a slurry consisting of at least cadmium sulfide and a liquid carrier of the kind described herein to form a polycrystalline layer on said substrate;

drying the applied slurry layer to evaporate substantially all the liquid carrier therefrom and provide a polycrystalline cadmium sulfide film on said substrate;

subjecting the dried polycrystalline film to compressive force to reduce substantially the thickness of said film; and

heating the compressed polycrystalline film to form a large crystal polycrystalline film in which a majority of the crystals have a mean diameter equal to or greater than the thickness of the film after heating.

(Compl. Specn. 18 pages;

Drgns. 2 sheets)

Ind. Cl. : 172 D 4 (XX).

176242

Int. Cl.<sup>4</sup> : D 01 H 1/00.**METHOD AND MACHINE FOR CONTINUOUSLY PRODUCING RAYON FILAMENTS.**

Applicant : KAWASAKI JUKOGYO KABUSHIKI KAISA, OF 1-1, HIGASHIKAWASAKI-CHO 3-CHOME, CHUOKU, KOBE-SHI, HYOGO-KEN, JAPAN.

Inventor : YOSHIMIKI YASUKAWA, HIDETSUGU KINO-SHITA.

Application for Patent No. 784/DEL/89 filed on 5th Sep., 1989.

Appropriate Office for filing Opposition Proceeding: (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110005.

**Claims 13**

A method of continuously producing rayon filaments comprising the steps of :—

Primarily drawing plurality of filaments in a spinning unit; treating the filaments so drawn to scouring and drying; and taking said filaments up on a winder characterised in that said filaments are primarily drawn in parallel with each other; and

said filaments are continuously subjected to scouring, drawing and take-up by said winder in such order while said filaments are maintained in parallel with each other through out, said scouring treatment comprising at least a washing step, a desulfurizing step an acid washing step and an oil agent treatment step, each said scouring treatment and said drying treatment being carried out in zones that are spaced from each other to prevent mixing of treatment liquids to

enable effective treatments and improved quality of said filaments.



FIG. 1

(Compl. Specn. 17 pages;

Drgns. 3 sheets)

Ind. Cl. : 48 C

176243

Int. Cl.<sup>4</sup> : H 02 G, 3/00.**POLYMERIC COMPOSITION HAVING IMPROVED RESISTANCE TO FLAME, LOW SMOKE EVOLUTION AND IMPROVED PHYSICAL PROPERTIES.**

Applicant : THE B. F. GOODRICH COMPANY, OF 3925 EMBASSY PARKWAY, AKRON, OHIO 44313, UNITED STATES OF AMERICA.

Inventors : ANTONY WILLIAM MICHAEL COAKER, JOSEF CYRIL VYVODA.

Applicant for Patent No. 789/DEL/89 filed on 6th Sep., 1989.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110005.

**Claims 14**

A polymeric composition having improved resistance to flame, low smoke evolution and improved physical properties identified as follows :—

- (i) cumulative heat released at flux 20KW/m<sup>2</sup> prior to 15 min. of 10MJ/m<sup>2</sup> or less as measured by the OSU RHR calorimeter; and
- (ii) cumulative smoke released at flux 20KW/m<sup>2</sup> prior to 15 min. of 400 SMK/m<sup>2</sup> or less as measured by the OSU RHR calorimeter which composition comprises on a parts by weight basis :
  - (a) at least 100 parts of a vinyl halide base polymer;
  - (b) from 20 to 100 parts of at least one chlorinated polyethylene flexibilizing agent;
  - (c) from 2 to 15 parts of at least one stabilizer;
  - (d) from 1 to 80 parts of a brominated aromatic phthalate plasticiser;
  - (e) from 0.5 to 20 parts of at least one fire retardant/smoke suppressant selected from the group consisting of antimony trioxide, molybdenic oxide, aluminum trihydrate, amine molybdates, copper oxalate, zinc borate, solid solution of zinc oxide in magnesium oxide, calcium carbonate, magnesium carbonate, magnesium hydroxide, magnesium oxide, alumina ceramic spheres and mixtures thereof; and
  - (f) the balance one or more conventional additives such as herein described in conventional amounts by weight.

(Compl. Specn. 57 pages;

Drgns. 4 sheets.)

Ind. Cl. : 206 E 176244

Int. Cl.<sup>4</sup> : G06F 7/00.

**IMPROVED SELF CONTAINED CELLULAR MOBILE RADIO PHONE.**

Applicant : TELSTRA CORPORATION LIMITED, A.C. N. 051 775 556 OF LEVEL 1 WENTWORTH STREET, PARRAMATTA ("TELECOM"), AUSTRALIA.

Inventor : STEPHEN BARRIE MEADS.

Application for Patent No. 803/Del/89 filed on 7th Sep., 1989.

Convention Date: PJ0336/09.09.88/AU.

Appropriate Office for Opposition Proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110005.

**21 Claims**

An improved self-contained cellular mobiles radio phone comprising, a standard phone set, a radio transceiver contained within said phone set for providing communication between a mobile station and a fixed station, a handset connected to the phone set and having keyboard, a microphone speaker and display means for displaying information relating to a phone call, means within the phone set for generating control signals and reading credit card data comprising at least a credit card reader with an associated administrative processor, memory means connected to said processor for storing data read from the credit card, connection means to enable connection of the phone to a vehicle's power supply so as to be operable therefrom, voice means connected to said phone set to provide user instruction, characterised in that the phone also comprises in combination, a coin acceptor mechanism having an entry and exit slot with means to accept or reject coins, and a permanent or disposable cash box secured to a cash box housing mechanism provided in said phone set to facilitate ready removal of coins from the telephone, and a connection port located in said phone set adapted to connect peripheral machines such as facsimile machine and a computer terminal thereto, said coin slide, and an adjustable parallel to the fixed coins slide in order to reduce the effective cross sectional area of the chute to suit various coin diameters.

(Compl. Specn. 27 pages; Drawing 7 sheets.)

Ind. Cl. : 140 B<sub>1</sub> 176245

Int. Cl.<sup>4</sup> : C 10 M 135/18.

**A FUEL COMPOSITION.**

Applicant : THE LUBRIZOL CORPORATION, A CORPORATION OF THE STATE OF OHIO, U.S.A., OF 29400 LAKELAND BOULEVARD, WICKLIFFE, OHIO 44092, U.S.A.

Inventor : WILLIAM CHARLES WARD.

Application No. 811/Del/89 filed on 1-9-89.

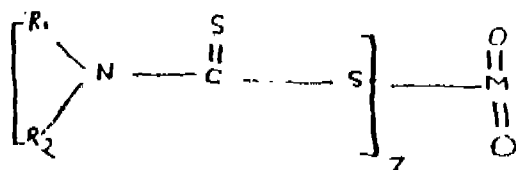
Ante dated to 17-12-86.

Divisional to application No. 1112/Del/86 filed on 17-12-86.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

**4 Claims**

A fuel composition comprising from 51 to 99.9% percent of a fuel and from 0.1 to 49 percent of the compound of formula II



wherein R<sub>1</sub> and R<sub>2</sub> are independently the same or different and are selected from H and hydrocarbyl with the proviso that at least one of R<sub>1</sub> and R<sub>2</sub> is H for at least one of the thiocarbamate groups, and at least one of R<sub>1</sub> and R<sub>2</sub> is hydrocarbyl for each of the thiocarbamate groups, and M is Mo or W.

(Compl. Specn. 23 pages

Drgm. NF)

Ind. Cl. : 156 D.

176246

Int. Cl.<sup>4</sup> : F04F 5/06.

**A GEROTOR PUMP.**

Applicant : CONCENTRIC PUMPS LIMITED, OF UNIT 10, GRAVELLY INDUSTRIAL PARK ERDINGTON, BIRMINGHAM B 24 SHW, ENGLAND.

Inventor : STEVE HODGE.

Application for Patent No. 815/Del/89 filed on 12th Sep 1989.

Convention Date : (1) 8822696.4/28.09.88/GB,  
(2) 8913368.0/09.06.89/GB.

Appropriate Office for Opposition Proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110005.

**9 Claims**

A gerotor pump comprising a male lobed rotor having n lobes located in and meshed with a female lobed annulus having n+1 lobes, said rotor and annulus being relatively rotatable about parallel axes in a cylindrical body cavity having inlet and outlet ports opening to the chambers formed between the rotor and annulus, said chambers being in orbit around said axes increasing in size in the other half revolution as they pass over the outlet port, and said pump body has a fixed shaft which is fast with the body, said male rotor being journaled on the shaft and means are provided for imparting rotary drive to the said rotor.

(Compl. Specn. 8 pages;

Drgs. 5 sheets.)

Ind. Cl. : 32-F (29)

176247

Int. Cl.<sup>4</sup> : CO 7K 1/10.

**METHOD FOR SOLID PHASE PEPTIDE SYNTHESIS.**

Applicant : SOCIETE D' EXPANSION SCIENTIFIQUE EXPANSIA, 42 RUE DU DOCTEUR BLANCHE, 75016 PARIS, FRANCE.

Inventor : BERNARD CALAS, MICHEL FOLLET, JEAN MERY & HANITRA NAHARISOA.

Application for Patent No. 833/Del/89 filed on 18 Sep., 1989.

Appropriate Office for Opposition Proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110005.

**5 Claims**

This invention relates to solid phase peptide synthesis.

Solid phase peptide synthesis is accomplished on polyacrylic resins (such as those described in EP 0 079 812 and EP 0 081 408) by a method which includes in the coupling protocol steps of washing the resin in water and/or aqueous solution(s).

(Compl. Specn. 18 pages;

Drg. sheets nil).

Ind. Cl. : 157 D(L).  
Int. Cl. : E01B 5/08.

176248

## A COMPOSITE STEEL RAIL FOR RAILWAY TRACK.

Applicant : BRITISH STEEL PLC., OF 9 ALBERT ROAD, LONDON SE 1 & 7 SN, ENGLAND, & BRITISH RAILWAYS BOARD, OF PO BOX 100, EUSTON HOUSE, 24 EVERHOLT STREET, LONDON, NW1 1DZ, ENGLAND.

Inventor : WILLIAM HENRY HODGSON, COLIN GRAHAM STANDORTH, DAVID JOSHI THOMPSON.

Application for Patent No. 843/Del/89 filed on 20 Sep. 1989.

Convention Date : 8822293.0/22.9.88/U.K.

Appropriate Office for Opposition Proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110005.

## 12 Claims

A Composite steel rail for railway track which damps vibrations of the rail comprising :

a steel rail (1) composed of a head, (2) a web, (3) extending downward from said head and a foot (4) connected to and formed integrally at the opposite end of said web (3) ;

a damping member (5) of visco-elastic material bonded to said rail (1) over at least part of the non wheel contacting parts thereof for damping the vibrations of said rail when travelled over by vehicular traffic; and

a constraining member (6) of material substantially stiffer in tension than the visco-elastic material of said damping member provided externally of said damping member whereby said damping member is sandwiched between said rail and said constraining member.

(Compl. Specn. 8 pages;

Drgns. 2 sheets)

Ind. Cl. : 170 D  
Int. Cl. : C11D 9/22.

176249

## ULTRA-MILD SKIN CLEANSING TOILET BAR AND PROCESS FOR THE PRODUCTION THEREOF.

Applicant : COLGATE-PALMOLIVE COMPANY, OF 300 PARK AVENUE, NEW YORK, 10022, UNITED STATES OF AMERICA.

Inventors : FREDERICK ANTHONY SIMION, ROBERT V. CANTORE, RAVI SUBRAMANYAM, DOMENICO MASUCCI.

Application for Patent No. 847 Del/89, filed on 20 Sep. 1989.

Appropriate Office for Opposition Proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110005.

## 13 Claims

An ultra-mild skin-cleansing toilet bar, comprising fatty acid soap, ethoxylated surfactant and conventional additives, characterised in that said toilet bar contains by weight :

(a) from 61% to 91% fatty acid soap; and

(b) from 5% to 35% of an ethoxylated surfactant having an alkyl chain length of at least 8 carbon atoms having at least three ethoxy groups.

(Compl. Specn. 18 pages;

Drgns. sheets 5.)

Ind. Cl. : 170 A+D.

176250

Int. Cl. : C 14 C 1/00.

## A COMPOSITION FOR TREATING HAIR OR SKIN.

Applicant : COLGATE-PALMOLIVE COMPANY, OF 300 PARK AVENUE, NEW YORK 10022, UNITED STATES OF AMERICA.

Inventor : AMRIT MANILAL PATEL, CLARENCE RALPH ROBBINS.

Application for Patent No. 659 Del/91, filed on 22 July 1991.

Appropriate Office for Opposition Proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110005.

## 20 Claims

A composition suitable for treating the hair or skin having improved elevated temperature stability due to its content of a stabilizing agent which is a long chain alcohol or derivative thereof, which comprises, by weight 45% to 98.9% of an aqueous liquid medium for the composition; 0.3% to 35% of an anionic surfactant emulsifying agent which, when it is an alkyl sulfate or an alkyl lower alkoxy sulfate contains more than 10 carbon atoms in the alkyl group; 0.3% to 10% of a hair-or skin-treating material which is insoluble in the liquid medium but is emulsified, suspended, or dispersed in such medium; 0.5% to 10% of a stabilizer comprising 66.7 to 100% by weight of one or more long chain alcohol or ethoxylated derivative thereof which is of a weighted average number of carbon atoms in the range of 28 to 42 and upto 33.3% by weight of a mixture of hydrocarbons of substantially corresponding chain lengths with said alcohol; and balance if any, comprising one or more additives of the kind such as hereinbefore described.

(Compl. Specn. 55 pages;

Drgn. sheet nil.)

Ind. Cl. : 169 B [XXXIX]

176251

Int. Cl. : F 41 C 19/12

## ELECTROMAGNETIC GUN SYSTEM.

Applicants & Inventors : VARMA ANILKUMAR, MANIK CHAND, A/33 P & T SOCIETY, OPP. VASTRAPUR RAILWAY STATION, VEJALPUR, AHMEDABAD-380051, GUJARAT & AHIR KIRAN LABHUBHAI, AHIR ELECTRONICS, NEAR VISHWAMITRA SOCIETY, JIVRAJ PARK, AHMEDABAD-380 051, GUJARAT.

Application Patent No. 272/Bom/1992 filed September 7, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office Branch, Bombay-13.

## 2 Claims

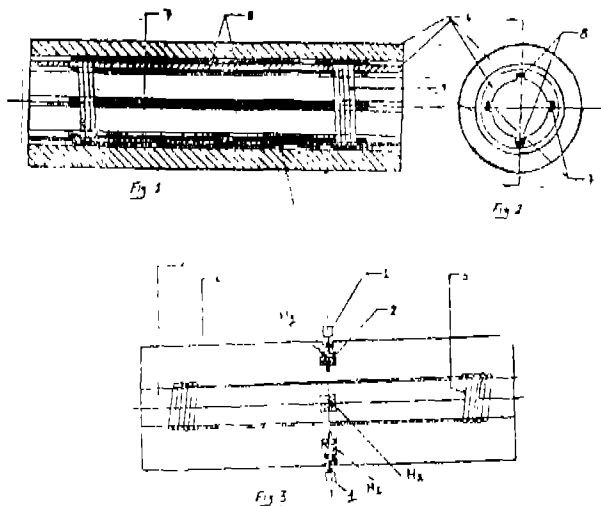
An electromagnetic gun system comprising of :

(a) An electromagnetic barrel having long tubular hollow body made up of number of electromagnetic segments having inner and outer insulated layers and said inner layer having four grooves diagonally at equidistance in vertical and horizontal plane;

(b) Said each electromagnetic segment has an electromagnetic coil wound in between insulated layers, a pair of longer conductive strips in the said grooves lying in horizontal plane and two pairs of shorter conductive strips in the said grooves lying in vertical plane separated from each other at equidistance, and the said shorter conductive strips are slightly less than half the size of the said longer conductive strips ;

(c) One of the strip of the said pair of longer conductive strip in the said grooves lying in horizontal plane is given negative potential through the said electromagnetic coil via trigger switch and the said other longer conductive strip in the opposite groove lying in horizontal plane is given positive potential directly from the D. C. Power source and the said shorter conductive strips in the said grooves lying in vertical plane are provided zig zag potential; and

(d) An electromagnetic shell, adopted to launch in the said barrel, having tubular body of insulating material having longitudinal bore to house solid ferite rod having an electromagnetic shell coil wound over it, and the said ferite rod has a bore at transverse centre in horizontal plane having interconnected spring biased contact brushes for energising the barrel coil circuit by making contact with the said other conductive strip in the said grooves lying in horizontal plane and the said tubular body has two semibore in the transverse centre lying in the same vertical plane housing a pair of spring biased contact brushes adapted to be connected to the terminals of the said shell coil.



(Compl. Specn. 12 pages)

(Drgs. 2 sheets.)

Ind. Cl. : 189 [LXVI (9)]

176252

Int. Cl. : A 61 K-7/02.

#### COSMETIC COMPOSITION OF THE OIL AND EMULSION TYPE.

Applicants : M/S. HINDUSTAN LEVER LTD., HINDUSTAN LEVER HOUSE 165/166, BACKBAY RECLAMATION BOMBAY-400 020, MAHARASHTRA, INDIA A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913.

Inventor : VISPI KANGA.

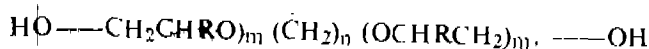
Application No. 275, Bom/1992 filed on 11th September, 1992

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office Branch, Bombay-13.

#### 7 Claims

A cosmetic composition of the oil and water emulsion type essentially comprising :

- (i) from about 20 to about 80% by weight of water;
- (ii) from about 1 to about 50% by weight of poly-alphaolefin having a viscosity of from about 0.1 to about 10 cst at 100°C;
- (iii) from about 0.1 to about 10% by weight of one or more coupling solubilizing agents having the formula;



wherein m and m' are integers greater than 1, and n is an integer greater than 3; and R is selected from the group consisting of hydrogen and C<sub>1</sub>-C<sub>12</sub> alkyl.

(Compl. Specn. 22 pages;

(Drgn. Nil.)

Ind. Cl. : 51 E, Gr. [LXVI (2)]

176253

95-I, Gr. [XLIII (2)].

Int. Cl. : B 26 B. 13/00.

#### A CARPET TRIMMER.

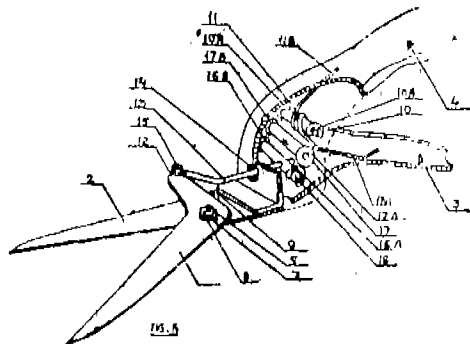
Applicant & Inventor : MRS. SUBHRA SINHA, 372/A-1, KOREGAON PARK, PUNE-411 001, MAHARASHTRA, INDIA, AN INDIAN NATIONAL.

Application for Patent No. 357, Bom/1992 filed on 18 Sep 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office Branch, Bombay-13.

#### 5 Claims

A carpet trimmer consisting of a pair of blades disposed one below the other and provided with operating handles, said blades being pivoted together and adapted to close on each other edge to edge and move away from each other about the pivot thereof, said other blade being spring biased onto said one blade, a stopper pin provided on said one blade and adapted to about and limit the closing movement of said other blade on said one blade, said handles being disposed one below the other spring stretched apart, the front ends of said handles being pivoted together, said one handle being adapted to move in towards and move out away from said other handle about the pivot at the front ends thereof, the rear end of said one blade being rigidly mounted at the front of said other handle, the rear end of said other blade being eccentrically connected to the front end of said one handle and clamp means to clamp said handles together in the closed position of said blades.



(Compl. Specn. 14 pages;

(Drgns. 3 sheets.)

Ind. Cl. : 67 C Gr. [LI]

176254

Int. Cl. : H04 N. 5/278.

#### LANGUAGE INDEPENDENT PROGRAM SUBTITLES (LIPS) SYSTEM.

Applicant : CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING (C-DAC) UNIVERSITY CAMPUS, GANESHKHIND, PUNE-411 007, MAHARASHTRA, INDIA, INDIAN ORGANISATION.

Inventors : (1) MR. SASHANK PUJARI  
(2) MR. MOHAN TAMBE.

Application No. 164/Bom/93 filed on 25th May, 93.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office Branch, Bombay-13.

#### 5 Claims

Language Independent Program subtitles system is tele-text subtitling system for television comprising of a programmable gate array teletext chip (15) connected to a slicer (11) to receive video and subtitle signals, a Central Processing Unit (12) connected to the said teletext chip, (15) an EPROM, (16) a RAM (7) and video generator (13), connected to the said Central Processing Unit, (12) a video mixer (14) connected to the said video generator (13) and RF



Ind. Cl. : 32 F 2 b

176258

Int. Cl. : C 07 D 231/24;

A 01 N 43/40.

A PROCESS FOR THE PREPARATION OF PYRAZO-SULFURON ETHYL (ETHYL 5-(3-(4, 6-DIMETHOXY-PYRIMIDINYL) UREIDO SULPHONYL)-1, METHYL PYRAZOLE-4-CARBOXYLATE) USEFUL AS HERBICIDE.

Applicant : RALLIS INDIA LTD. RALLIS HOUSE, 21 D. S. MARG, BOMBAY 400 001, MAHARASHTRA, INDIA.

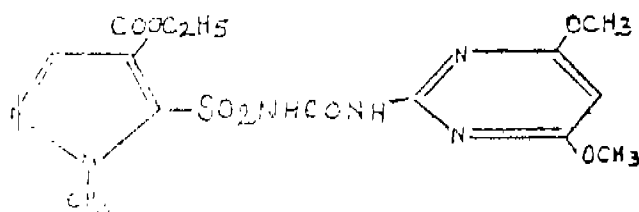
Inventors : (1) ARUN SHRIKRISHNA AGNIHOTRI, (2) GURUNATHAN RAMPRASAD, (3) DR. RAJEEV SADASHIV DESHPANDE & (4) DR. BIRJA SHANKAR.

Application No. 163/Bom/1994 filed on 18-4-1994.

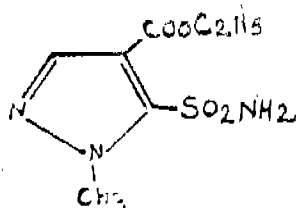
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

## 2 Claims

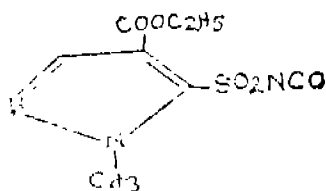
A process for the preparation of pyrazosulfuron ethyl [Ethyl 5-(3-(4, 6-dimethoxy-pyrimidinyl) ureido sulphonyl)-1-methyl pyrazole-4 carboxylate] of the formula I useful as herbicide.



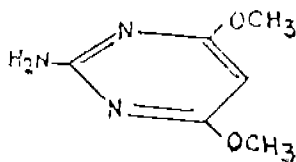
which comprises reacting 4-ethoxy carbonyl-1-methyl pyrazole-5-sulphonamide of the formula II :



with oxalyl chloride in the presence of a halogenated hydrocarbon solvent and alkyl isocyanate and diazobicyclo octane catalysts in an inert atmosphere such as nitrogen at 100—150°C to give 4-ethoxy carbonyl-1-methyl pyrazole-5-sulphonyl isocyanate of the formula III.



and condensing the compound of the formula III with 2-amino-4, 6-dimethoxy pyrimidine of the formula IV :



in the presence of a halogenated hydrocarbon solvent and a diazobicyclo octane catalyst in an inert atmosphere such as nitrogen at 50-55°C to give the compound of the formula I.

Compl. specn. 9 pages;

Drugs. Nil

Ind. Cl. : 83 A<sub>1</sub> Gr. [XIV(5)]

176259

Int. Cl. : A 23 L - 91/18.

"PROCESS FOR ROASTING/PUFFING SMALL BALLS OF CEREALS FORMING INSTANT SNACK FOOD AND PRESSURE ROASTER FOR CARRYING OUT SAID PROCESS".

Applicant & Inventor : DILIP SHANTARAM DAHANUKAR, AN INDIAN CITIZEN, INDUSTRIAL ASSURANCE BUILDING, CHURCH-GATE, BOMBAY-400 020, MAHARASHTRA, INDIA.

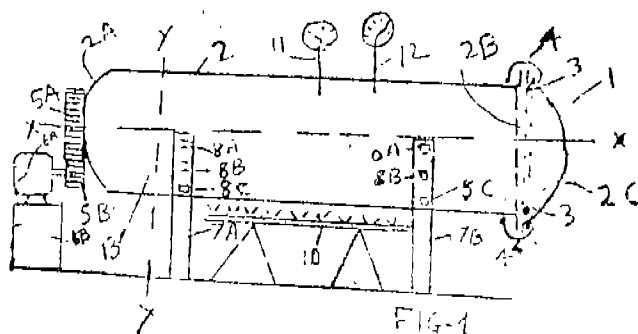
Patent Application No. 382/Bom/94 filed on 10-08-94.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-400013.

## 8 Claims

Process for roasting and puffing cereals with or without addition of spices, salt and the like to taste, to form ready to serve snack food comprises the steps of :

- sprinkling the raw 'cereals' to be roasted with water mixed with or without addition to taste of spices such as turmeric, dehydrated lemon or lime powder or juice, chilli powder, pepper, salt, dehydrated onion and garlic powder;
- loading the 'spiced/spiced product of step (a) into preheated compression chamber of a roaster cylinder and fastening its lid to hermetically seal said chamber and heating by thermostatically controlled gas or coal burners or electric heaters provided below said roaster cylinder to a temp. not exceeding 185 deg. C., while slowly rotating said cylinder about its longitudinal axis by a prime mover through geared or belt drive;
- Switching 'OFF' said burners on the temperature inside said roaster cylinder attaining 185 deg. C., while its rotation being continued whereby evaporation of moisture entrapped in said cereal grains generating there within a compression pressure not exceeding 10 Bar, and on opening end cover of said cylinder causing a loud bang and which instantly ejects/evacuates cooked cereals therefrom and which get fully puffed to a ball size 3—6 times its original raw grain size due to absorption of air from atmosphere;
- drying the puffed product of step (c) in a tray or like drier till they turn crisp before packing in air tight plastic bags for entrapping natural aroma and flavour of said puffed balls of cereals.



Compl. Specn. 13 pages,

Drugs. 1 sheet,

Ind. Cl. : 55 E 2 + E 4 Gr. [XIX(1)]

176260

Int. Cl. : A 61 K - 31/49.

**A PROCESS OF MANUFACTURING HERBAL MOUTH WASH AND GEL.**

Applicants & Inventor.: PREMPRAKASH NAND-KISHOR KHANNA & ANIL CHANDRAPRAKASH KHANNA, BOTH INDIAN CITIZENS AT HOMACOL HOUSE, PLOT NO. B 9, M. I. D. C. MAIN ROAD, ANDHERI (EAST) BOMBAY-400093, MAHARASHTRA, INDIA.

Application for Patent No 424/Bom./1994 filed on 31-8-1994.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-400013.

**1 Claim**

The process of manufacturing herbal mouth wash and gel comprising the following ingredients :

- |   |                             |
|---|-----------------------------|
| 1. Neem Oil   | 5 upto 35 parts             |
| 2. Other Vegetable oils including coconut and or castor oil | 2 upto 25 parts or optional |
| 3. Flavour  | 0.5 or optional             |
| 4. Water  | Q. S. to make 100%          |

and to the said ingredients there are optionally added extracts of other neem parts such as leaves, bark, stem, seeds and the like, the said ingredients are neutralised by adding suitable alkalies and carbonates between 7 and 9 by heating the ingredients along with the said neutralising medium to a temperature which will not exceed 100°C to form a gel which is treated with active oxygen to remove extraneous odour and colour, the said gel thus formed is optionally converted into lotion.

Compl. specn. 5 pages;

Drng. Nil

Ind. Cl. : 146 D.

176261

Int. Cl. : G 01B, 5/20.

**AN APPARATUS FOR MEASURING WEAR OF A ROLL OR CYLINDRICAL BODY.**

Applicant : STEEL AUTHORITY OF INDIA LIMITED, RESEARCH AND DEVELOPMENT CENTRE FOR IRON & STEEL, HAVING ITS REGISTERED OFFICE AT ISPIAT BHAWAN, LODI ROAD NEW DELHI-110003, INDIA, A GOVERNMENT OF INDIA ENTERPRISE.

Inventors : RAVI RANJAN PRASAD, RAMESH CHANDRA THAKUR, SUDHAKAR JHA.

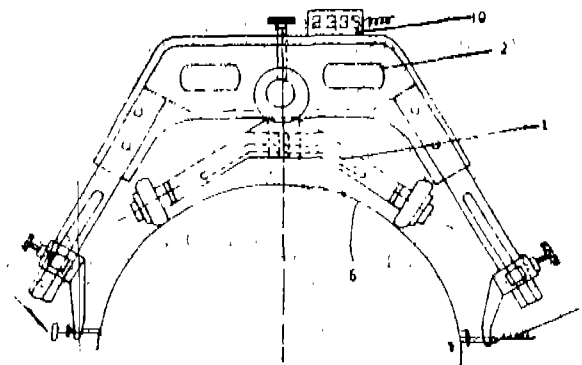
Application for Patent No. 75/Del/89 filed on 27 Jan. 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

**3 Claims**

An apparatus for measuring wear of a roll or cylindrical body essentially comprising a carriage having a pair of adjustable arms projecting at an angle on opposite surfaces of the roll or cylindrical body, one of said arms being attached to a threaded bolt which acts as a reference, the other arms being attached to a spring loaded linear variable displacement transducer (LVDT), said LVDT being connected to power source and digital display system which indicates wear of the roll, said LVDT acting as a sensor comprises a combination of one primary and two secondary coils, said coils being housed within a cylindrical body, a movable soft iron being located within said combination of coils, said core coils spring loaded and mounted on a rod made of non-magnetic material having a sensing tip, said combination of coils being

connected to said display system as illustrated in Fig 3 or the accompanying drawings.



Compl. specn. 9 pages

Drngs. 3 sheets

Ind. Cl. : 28 A [XXX(1)], 130 F &amp; G [XXXIII(7)]

176262

Int. Cl. : C 22 E 1/08, F 23 D 14/22.

**BURNER FOR MOUNTING ON A SHAFT FURNACE FOR MELTING COPPER.**

Applicant : ASARCO INCORPORATED OF 180 MALDEN LANE, NEW YORK, STATE OF NEW YORK 10038; U.S.A.

Inventor : JOHN RICHMOND HUGENS.

Application for Patent No. 688/Del/89 filed on 3-8-89.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

**3 Claims**

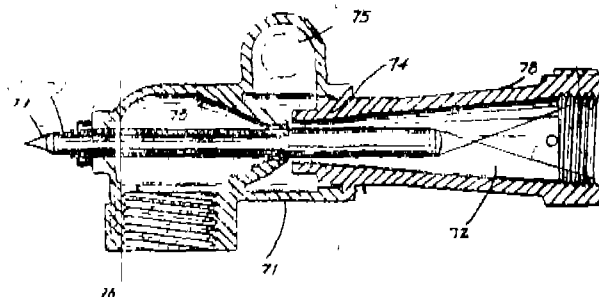
A burner (3) for mounting on a shaft furnace for melting copper, said burner comprising :

a mixing (50, 71) section for uniting a stream of fuel and a stream of oxygen-containing gas to form a unitary stream, the mixing section having a fuel inlet and an oxygen-containing gas inlet, and a mixing chamber downstream of said inlets;

a flame (51) holder section communicating with the mixing section, said flame holder section having an (58) igniter bar and a spark (59) plug for igniting the unitary stream to produce a reducing flame; and

a combustion (52) chamber downstream of the flame holder section, said combustion chamber being adapted to extend into the furnace.

wherein the gas and fuel inlets (75, 76) communicating with an aspirator (71) gas mixer within the mixing (71) section.



Compl. specn. 12 pages

Drng. 1 sheet



Ind. Cl. : 170 B1 D.

176263

Int. Cl. : C11 D 3/00.

**GRANULAR DETERGENT COMPOSITIONS CONTAINING PHOSPHATE BUILDER SYSTEM.**

Applicant : THE PROCTER & GAMBLE COMPANY, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO UNITED STATES OF AMERICA, MANUFACTURES.

Inventors : LISA ANN BEERS, KETH HOMER BAKER.

Application for Patent No. 709/Del/89 filed on 9-8-89.

Appropriate office for filing opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Karol Bagh, Delhi-110005.

(8 Claims)

A granular detergent composition having a phosphate builder system comprising :

- crutched builder selected from sodium tripolyphosphate (STPP) and tetrasodium pyrophosphate (TSPP) and a mixture thereof; wherein said crutched builder is in a spray dried detergent granule; and
  - admixed builder selected from STPP and TSPP and a mixture thereof; and
- wherein (A) and (B) have a ratio of from 1 : 25 to 25 : 1;
- wherein said phosphate builder system contain from 0% to 50% of said admixed TSPP by weight of the builder system; and
- wherein said granular detergent composition comprises from 5% to 40% surfactant and from 10% to 75% of said builder system by weight of said composition.

Compl. specn. 12 pages

Drgn. Nil sheet

Ind. Cl. : 205 G, K LVI.

176264

Int. Cl. : B 29 D 7/00.

**A CONTINUOUS MULTISPIN PROCESS FOR MANUFACTURING HIGH PERFORMANCE POLYESTER MULTIFILAMENT YARN.**

Applicant : ALLIED-SIGNAL INC., OF COLUMBIA ROAD AND PARK AVENUE, MORRIS TWONSHIP, MORRIS COUNTY, NEW JERSEY, UNITED STATES OF AMERICA.

Inventors : EDWARD JEROME BUVALOS, DAVID WILSON MULLURE, JAMES CORDON NEAL, HUGH HARVEY ROWAN.

Application for Patent No. 825/Del/89 filed on 20-09-89.

Appropriate office for filing opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Karol Bagh, New Delhi-110005.

(3 Claims)

A continuous multispin process for manufacturing high performance polyester multifilament yarn, said process comprising :

- feeding at 280°C or less prepolymer to a first finisher vessel for a period sufficient to increase the intrinsic viscosity to at least 0.4 deciliters per gram,
- transferring polymer from said first finisher vessel to a second finisher vessel while maintaining said polymer below 280°C,
- maintaining said polymer in said second finisher vessel upto 280°C for a period sufficient to achieve an intrinsic viscosity of at least 0.95 deciliters per gram,

(d) removing said polymer having intrinsic viscosity of at least 0.95 deciliters per gram from said second finisher and supplying said polymer to an extrusion spinnerette at a temperature above the polymer melting point, maintaining said polymer in said polymer in said spinnerette for time no greater than one and one-half minutes and at a temperature no greater than 325°C prior to spinning, and

(e) spinning the polymer under conditions to produce an undrawn yarn having a birefringence of at least 0.01 and drawing said yarn to produce said high performance polyester multifilament yarn.

(Compl. specn. 17 pages.

Drgn. Nil sheet

Ind. Cl. : 35E

176265

Int. Cl. : B22D 23/00, &amp; CO4B 35/60, 35/62.

**A METHOD FOR PRODUCING A REFRACTORY FUSED CAST COMPOSITE LAYERED MOULDING.**

Applicant : STEMCOR CORPORATION OF 200 PUBLIC SQUARE CLEVELAND, OHIO 44114-2375, UNITED STATES OF AMERICA.

Inventor : JONATHAN JANG-HO KIM, THOMAS AQUINAS MYLES.

Application for Patent No. 849/DEL, 89 filed on 21 Sep, 1989.

Ante-dated to 21-1-87.

Divisional to Patent Application No. 42/DPL/87 filed on 21-1-87.

Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110005.

(Claims 12)

A method for producing a refractory fused cast composite layered molding having a generally random, uniform, and fine microstructure throughout comprising :

- Directing at least one plasma stream into a mold having cooling means;
- Introducing refractory particles of a first composition such as herein defined into said plasma stream to rapidly heat the refractory particles;
- Depositing said heated refractory particles into said mold as they are being heated;
- Allowing said heated particles to at least partly coalesce into a fused mass while in said mold;
- Subsequently depositing refractory particles of a second composition such as herein defined onto said molding to form a composite layered molding; and
- Rapidly cooling said fused mass in said mold to prevent shifts in chemistry and stratification due to gravity, and to form a fully solidified molding having a generally random microstructure throughout.



Fig. 1

(Compl. Specn. 21 pages;

Drgn. 4 sheets.)

Ind. Cl. : 90GH1, 171.

176266

Int. Cl.<sup>4</sup> : G02F 1/00, 1/01.**A WIRED GLASS.**

Applicant : MILLER CONSTRUCTION LIMITED, OF SOUTH GROATHILL AVENUE, CRAIGLEITH, EDINBURGH EH4 2LN, UNITED KINGDOM.

Inventor : JAMES ARTHUR ALBERT HICKMAN.

Application for Patent No. 857/DEL/89 filed on 22 Sep. 1989.

Convention date : 8822780-6, 28-09-89/GB.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110005.

## (Claims 3)

A wired glass having a wire mesh and two glazing panels spaced part from each other characterised in that the wires of the wire mesh have a metallic core and a decorative coating applied over the metallic core and having a colour different from that of the said metallic core, said wire mesh embedded in an interlayer of adhesive binder material such as herein described binding together a said glazing panels.

(Compl. Specn. 7 pages;

Drgn. sheet nil.)

Ind. Cl. : 32E

176267

Int. Cl.<sup>4</sup> : B29C, 63/00.**A METHOD FOR FORMING A POLYOL/POLYISOCYANATE COATING ON A SUBSTRATE.**

Applicant : ASHLAND OIL INC. OF 1000, ASHLAND DRIVE, RUSSELL, KENTUCKY 41169, UNITED STATES OF AMERICA.

Inventor : LAURENCE G. DAMMANN, GRAY M. CARLSON.

Application for Patent No. 860/DEL/89 filed on 25 Sep 1989.

Divisional to Patent Application No. 154/DEL/87 filed on 23-2-87.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110005.

## (Claims 2)

A method for preparing a polyol/polyisocyanate coated substrate which comprises applying as a film, onto said substrate a reaction mixture comprising a polyol and a polyisocyanate and curing said film by subjecting it to heat and/or an amine activator of the kind such as herein described characterised in that said reaction mixture further comprises a catalyst capable of catalysing the reaction of a hydroxyl compound with an isocyanate compound said catalyst having being prepared by a process claimed in patent Application No. 154/DEL/87.

(Compl. Specn. 53 pages;

Drgns. 4 sheets.)

Ind. Cl. : 114 A, D

176268

Int. Cl.<sup>4</sup> : C14B 1/00.**AN APPARATUS FOR STRETCHING FLAT MATERIALS SUCH AS LEATHER.**

Applicant : JIRI DOKOUPIL, OF HOCHSTRASSE 9, 6251 GUCKINGAN, WEST GERMANY.

Inventor : JIRI DOKOUPIL.

Application for Patent No. 856/DEL/89 filed on 22 Sep. 1989.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110005.

## (Claims 16)

An apparatus for stretching flat materials such as leather comprising

bearing means (TRV<sub>1</sub>), (TRV<sub>2</sub>), receiving the said material having an initial lower surface (L<sub>1</sub>) facing downward and a second upper surface, (K<sub>2</sub>) said bearing means having a slidable bearing surface (AF) in relation to said initial surface (L<sub>1</sub>); and

stretching means (SVT) positioned opposite said bearing surface (AF) provided with at least one of the stretching tools (ASW) gripping the said material

(Compl. Specn. 16 pages.

Drawgs. 3 sheets.)

Ind. Cl. : 32 F

176269

Int. Cl.<sup>4</sup> : C08F, 110/10.**A PROCESS FOR PREPARING LOW MOLECULAR WEIGHT POLY-N-BUTENE.**

Applicant : EXXON CHEMICAL PATENTS INC., OF 1900 EAST LINDEN, LINDEN AVENUE, LINDEN, NEW JERSEY, UNITED STATES OF AMERICA

Inventor : FRANK JOUNG-JEI CHEN.

Application for Patent No. 863/DEL/89 filed on 26 Sep. 1989.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110005.

## (Claims 15)

A process for preparing low molecular weight poly-n-butene having an M<sub>n</sub> in the range of from 300 to 900 and a molecular weight distribution less than 1.4 from feedstream mixture of C<sub>4</sub> hydrocarbons containing less than 5% by weight isobutylene and containing at least 12 wt.% normal-butenes in a stirred reaction zone, said process comprising :

- (a) injecting HCl in an amount in the range of from 0.005 to 0.6 parts by weight per 100 parts by weight of said feedstream mixture onto said feedstream mixture, in the substantial absence of an organo-aluminium catalyst to substantially completely react said injected HCl with normal-butenes thereby producing a treated feedstream mixture which contains less than 1.0 ppm free HCl;
- (b) simultaneously introducing said treated feedstream mixture and an organo-aluminium chloride catalyst such as herein described into said reaction zone in an amount of from 0.05 to 1.5 wt.% based on the weight of said introduced treated feedstream mixture;
- (c) containing said introduced treated feedstream mixture and said introduced catalyst in the reaction zone for a sufficient time to form a polymerization reaction mixture containing said poly-n-butene;
- (d) withdrawing said polymerization reaction mixture from said reaction zone; and

- (e) recovering said poly-n-butene product from said withdrawn polymerization reaction mixture in any conventional manner.

(Compl. Specn. 36 pages;

Drwg. 1 sheet.)

Ind. Cl.: 32F

176270

Int. Cl.: C08F 110/10

# A PROCESS FOR PREPARING LOW MOLECULAR WEIGHT POLY-N-BUTENES.

Applicant: EXXON CHEMICAL PATENTS INC., AT 1900 EAST LINDEN AVENUE, NEW JERSEY, UNITED STATES OF AMERICA

Inventor: FRANK JOUNG-YEI CHEN

Application for Patent No. 865/Del/89 filed on 26-9-89.

Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent Office Branch Karol Bagh, New Delhi-110005

## 8 Claims

A process for preparing low molecular weight poly-n-butene having an MI in the range of from 300 to 2500 and a molecular weight distribution less than 1.4 from a feedstream mixture of C<sub>4</sub> hydrocarbons containing less than 5% by weight isobutylene and containing at least 12 wt % normal-butene in a stirred reaction zone maintained at a temperature in the range of from 10° to 80° which comprises

(a) injecting HCl in an amount in the range of from 0.01 to 0.6 mole per chlorine per 100 parts by weight of said feedstream mixture into said feedstream mixture in the substantial absence of aluminium trichloride catalyst and in substantial completely react said injected HCl with normal-butene, thereby producing a treated feedstream mixture which contains less than 1.00 ppm free HCl;

(b) simultaneously introducing said treated feedstream mixture and aluminium trichloride chloride catalyst in an amount in the range of from 0.1 to 2 wt % based on the weight of said introduced treated feedstream mixture into said reaction zone;

(c) contacting said introduced treated feedstream mixture and said introduced catalyst in the reaction zone for a time and to form a polymerization reaction mixture containing said poly-n-butene;

(d) withdrawing said polymerization reaction mixture from said reaction zone; and

(e) recovering said poly-n-butene product from said withdrawn polymerization reaction mixture.

(Compl. Specn. 33 pages;

Drwg. 1 sheet.)

## CESSATION OF PATENTS

170994 171014 171015 171019 171032 171045 171046 171050  
171058 171070 171099 171101 171102 171103 171106 171114  
171120 171128 171143 171146 171147 171153 171166 171169  
171176 171177 171185 171193 171224 171242 171245 171253  
171255 171258 171261 171281 171288 171293 171296 171300  
171301 171313 171314 171315 171317 171322 171328 171343  
171355 171368 171384 171392 171393 171397 171401 171404  
171408 171420 171427 171433 171438 171439 171442 171446  
171453 171462 171469 171470 171476 171477 171484 171492  
171500 171512 171531 171539 171542 171553 171558

## RENEWAL FEES PAID

155871 156253 156452 156517 156767 157055 157173 157429  
157462 157842 157996 157999 158007 158057 158243 158483  
158497 158598 158652 158704 158936 158969 159201 159436  
159462 159618 159720 159722 159744 159962 160009 160020  
160021 160022 160216 160830 160964 161041 161053 161063  
161085 161125 161205 161246 161335 161476 161546 161548  
161556 161579 161580 161621 161749 161775 161818 161819  
161891 161892 161924 161953 161982 162009 162150 162161  
162162 162220 162450 162493 162577 162681 162795 162843  
162882 162943 162968 163078 163458 163474 163533 163828  
163829 164522 164561 164616 164649 164725 164756 164758  
164812 164890 165370 165416 165587 165706 165707 165759  
165823 165973 166070 166196 166125 166190 166287 166403  
166404 166432 166479 166723 166773 167006 167111 167206  
167308 167389 167685 167764 167784 167787 167933 167985  
167986 167993 167994 168137 168215 168482 168483 168484  
168487 168774 168775 168911 168942 169016 169083 169390  
169544 169778 169716 169942 170003 170032 170033 170089  
170155 170156 170157 170643 170651 170671 170733 170826  
170909 170967 170973 171042 171053 171077 171084 171092  
171421 171422 171529 171701 171745 171829 171918 171946  
171998 172001 172022 172137 172381 172400 172409 172425  
172529 172609 172626 172629 172746 172794 172855 172866  
172868 172869 172957 173033 173046 173054 173135 173209  
173245 173246 173251 173274 173284 173285 173286 173296  
173305 173342 173343 173391 173391 173421 173433 173434  
173441 173451 173482 173486 173487 173488 173493 173499  
173500 173541 173632 174019 174300 174361 174417 174443  
174449 174509 174541 174543 174545 174547 174549 174595  
174632 174633 174639 174670 174671 174685 174687 174691  
174711

## OPPOSITION PROCEEDINGS U/S 256

An Opposition has been entered by J. B. Chemicals & Pharmaceuticals Ltd, Bombay to grant of a patent on application No. 175849 (795/Del/90) dated 7-8-1990 made by Curate Pharmaceuticals Limited, USA.

## AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that Mitsubishi Denki Kabushiki Kaisha a Japanese Company is opposed and existing under the laws of Japan 2-3, Minamichu 2-chome, Chiyoda-ku, Tokyo 100, Japan have made an application under Section 57 of the Patents Act, 1970 for amendment of complete Specification of their patent application No. 172845 (279/Bom/1990) for Differential protective electrolyte apparatus. The amendments are to notice a typographical error in the specification the

word 'impedance' in the abstract of the invention and in pages 7 and 32 of the specification. The application for amendment and proposed amendment can be inspected free of charge at the Patent Office Branch, Todi Estate, IIIrd Floor, Sun Mill Compound, Lower Parel (W), Bombay-400 013, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file the notice of opposition on the prescribed form-30, alongwith full written statement within three months from the date of this notification at the Patent Office Branch, Bombay.

If full written statement of opposition is not filed with the Notice of opposition it should be filed within one month from the date of filing the said notice of opposition.

#### PATENT SEALED ON 23-02-96

174712 175667 175668\* 175669 175671 175672 175673  
175674 175675 175676 175678 175680 175681 175683 175684  
175685 175686 175687 175688\*D 175690\*ID 175691\* 175693  
175695 175696 175698

CAL—09, MAS—17, DEL—NIL, MUM—NIL

\*Patent shall be deemed to be endorsed with the words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D-Drug Patents, F-Food Patents.

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

Class 3. No. 166998, M. N. International having office at 3/5, Sahakar Nagar, Naigaon Cross Road Wadala, Bombay-400 031, a registered partnership firm, "AN AUTOMATIC MULTIPURPOSE LOCK", 9th March 1994.

Class 1. No. 168328, Harish Chhabra, C/o Siri Ram & Sons, 7531/1, Tel Mill Marg, Ram Nagar, Paharganj, New Delhi-110 055, India, an Indian national of the above address, "DOME OF FAN", 28th October 1994.

Class 1. No. 168675, Cooke & Kelvey Pvt. Ltd., 3-Scindia House Janpath, New Delhi-110 001, India, "PHOTO FRAME", 27th January 1995.

Class 1. No. 168070, Sursita Computer Systems, an Indian company of 200 Gauram Nagar, New Delhi-49, India, "FLOPPY LOCK", 12th September 1994.

Class 1. No. 168934, Narayandal Anantharam Naidu, Prop. Sri Ananda Type Foundry, Koppikar Road, Hobli 20, Karnataka, India, Indian national "KAN-NADA TYPE RAUNTS", 20th March 1995.

Class 1. No. 167826, C.M.E. Blasting & Mining Equipment Ltd., of 36 Cameo Street, Oakville, Ontario, Canada L6J 5Y1, "GRINDING CUP", 27th July 1994.

Class 1. No. 168957, Ashwani Kumar, an Indian national of 81 South Anarkali, Delhi-51, India, "CURLING ROD", 27th March 1995.

Class 1. No. 168968, Sonalka Agriculture Industries, Industrial Estate, Jalandhar Road, Hoshiarpur-146 001, Punjab, India a proprietorship firm, "TRACTOR", 28th March 1995.

Class 1. No. 168538, Mrs. Meera Bhatnagar, an Indian national, A 98, Ashok Vihar, Phase II, Delhi-52, India, "RICKSHAWS", 26th December 1994.

Class 1. No. 169532, Sebel Furniture Limited, an Australian Company, ACN 000 378 996, of 96 Canterbury Road, Bankstown, New South Wales, 2200, Australia, "A DESK", 20th January 1995 (Reciprocity).

Class 1. No. 169388, Earl Bihari Pvt. Ltd., a company incorporated and existing under the Companies Act, 1956, of 148 E. St. Cyril Road, Bandra, Bombay-50, Maharashtra, India, "CRANKED HINGE", 23rd June 1995.

Class 1. No. 169433, Umesh Raichand Shoney, No. 8, Salai Mariamman Koil Second Street, Muthialpet, Pondicherry-605 003 India, an Indian National, "CLUTCH RELEASE BEARING", 27th June 1995.

Class 1. No. 169052, Prashant Sawhney, L 10, Andrews Ganj Extn., New Delhi-110 049, India, an Indian national, "TOASTER", 21st April 1995.

Class 1. No. 168091, TTK Prestige Ltd., of 78 Old Madras Road, Dooravaningagar, Bangalore-560 016, State of Karnataka, India, an Indian company, "PRESSURE COOKER SEPARATORS WITH LIFTING DEVICE", 13th September 1994.

Class 1. No. 169215, Hunter Douglas Industries B.V., a Dutch body corporate of Piekstrat 2 NL 3071 EL Rotterdam, The Netherlands, "A FALSE CEILING CARRIER ELEMENT", 28th April 1995 (Reciprocity).

Class 1. No. 168806, Dolphin Megha Exhaust Systems, 1-1-593/C/1, Gandhinagar, Hyderabad 500 380, A.P., India, an Indian partnership firm "EXHAUST FAN", 14th February 1995.

Class 1. No. 168248, Tide Water Oil Co. (India) Ltd. of 3rd floor, Kamani Chambers, 32, R. Kamani, Marg, Ballard Estate, Bombay-400 038 Maharashtra India, an Indian Company, "CONTAINER", 12th October 1994.

Class 1. No. 167495, Hussnain International, a partnership firm whose partners are Idris Hussain and Firoz Hussain and having its principal place of business at Yesmin Garden, Rampur Road Moradabad-244 001 State of Uttar Pradesh, India, "BOWL", 16th May 1994.

T. R. SUBRAMANIAN  
Controller General of Patents  
Designs & Trade Marks

प्रबन्धक, भारत सरकार मन्त्रालय, फरीदाबाद द्वारा मद्रा  
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